

NOAA SCIENTIFIC DIVING STANDARDS AND SAFETY MANUAL

HIGHLIGHTS OF NEW AND/OR SIGNIFICANT CHANGES

Revision 1

Introduction

On August 15, 2008, the NOAA Diving Program officially adopted the NOAA Scientific Diving Standards and Safety Manual (NSDSSM). The manual, which was based on the American Academy of Underwater Sciences Standards for Scientific Diving, was developed for NOAA divers performing “scientific” tasks. Subsequent to the adoption of the manual, the NOAA Diving Program developed another manual for NOAA divers performing “working” tasks. The NOAA Working Diving Standards and Safety Manual (NWDSSM) was approved by RADM Bailey on June 7, 2011 and officially adopted on July 14, 2011. The NWDSSM included additional standards, policies, and procedures not covered in the NSDSSM. For consistency purposes, it was determined the original NSDSSM needed to be revised to include these additional items.

The revised NOAA Scientific Diving Standards and Safety Manual includes many, but not all, of the standards, policies, and procedures included in the NWDSSM. For example sections 1.0 and 2.0, which address administration and personnel, respectfully, are almost identical between the two manuals. Other sections are similar, but due to the unique nature of the activities covered (i.e., working vs. scientific), are different.

This manual includes all applicable policies from NOAA Administrative Order 209-123, dated September 22, 2011, the NOAA Diving Medical Standards and Procedures Manual, dated August 1, 2010, the NOAA Working Diving Standards and Safety Manual, dated July 15, 2011, and various OMAO 0300 Policies, adopted over the past several years.

Below is a list of new, and/or significantly changed, regulations, standards and policies not covered in the aforementioned references or the original, 2008 NOAA Scientific Diving Standards and Safety Manual.

Section 1: Administration

Page	Section	Topic	Description
1-1	1.1.2	Definition of Scientist & Scientist-In-Training	Revised. Clarifies qualifications for each classification
1-2	1.1.4	Scope and Application	Revised. Limits the weight of objects that can be lifted or moved underwater and still qualify under the OSHA Scientific Exemption to 25 pounds.
1-2	1.1.5	Obligations, Restrictions and Conditions	New. Grants authority to the NOAA Diving Control and Safety Board (NDCSB) to implement and enforce more stringent diving policies than those stated in the Manual.
1-3	1.1.6	Substitutions for Required Equipment, Materials, Apparatuses, Arrangements, or Tests	New. Authorizes the NDCSB to accept substitutions for equipment, materials, apparatuses, arrangements, procedures, or tests required in this standard under certain circumstances.

Page	Section	Topic	Description
1-3	1.1.7	Deviations in Emergencies	Revised. Requires the NOAA Diving Program Manager (NDPM) to notify the Director, Office of Marine and Aviation Operations (OMAO) within 48 hours of an emergency requiring deviation.
1-3	1.1.8	Manual Revisions	New. Requires the NDCSB to review the Manual at a minimum of every 2 years and revise it as needed.
1-4	1.2.3	Management	Revised. Designates the NDCSB as the decision making body for the NOAA Diving Program (NDP). Grants authority to the NDCSB regarding the establishment of diving regulations, policies and procedures.

Section 2: Personnel

Page	Section	Topic	Description
2-1	2.2.2	NDPM Responsibilities	Revised. Directs the NDPM to implement policies, and disciplinary and corrective actions prescribed by the NDCSB.
2-2	2.3.2A	NDCSB Composition and Qualifications	Revised. Changes title of senior OMAO diving representative on the NDCSB from “Fleet Diving Officer” (FDO) to “Staff Office Diving Officer” (SODO). New. Increases size of Board with the addition of Deputy Line/Staff Office Diving Officers.
2-2	2.3.3D	Selection of NDCSB Members	New. Deputy Line/Staff Office Diving Officers are appointed by LODOs/SODO.
2-3	2.3.4B	Chairperson	New. Prohibits the DSO from serving as Chair.
2-3	2.3.5B	Decision Making Process	New. Requires a quorum of 2/3 of the voting members in order to cast a vote on decisions either in-person, electronically or via proxy.
2-3	2.3.6	NDCSB Term Limits	Revised. The Chair is elected from the voting members of the NDCSB and serves a one year term, but may be re-elected. Recommends term limits of 5 years for all members of the NDCSB with the exception of the NDPM and DSO who are permanent members of the Board.
2-5	2.4.2H	DSO Responsibilities	Revised. Requires the DSO to conduct annual safety assessment of NDP.
2-5	2.5.1A	Line and Staff Office Diving Officers: General	Revised. Removed reference to a National Weather Service Line Office Diving Officer (LODO) as the NWS no longer has divers assigned within its Line Office.
2-6	2.6	Deputy LODO/SODO	New. Authorizes Deputy positions for OMAO, NOS, NMFS and defines responsibilities and qualifications for the positions.

Page	Section	Topic	Description
2-7	2.7.1B	UDS Appointments	Revised. Requires concurrence from the NDCSB on nomination by the LODO/SODO and employee's immediate supervisor.
2-7	2.7.2A8	UDS Responsibilities	New. Requires the UDS to conduct, or designate someone to conduct, a check out dive(s) with all divers who are new to the unit to familiarize them with local conditions, protocols, procedures, and unique hazards prior to permitting unrestricted operational diving.
2-7	2.7.2A9	UDS Responsibilities	New. Requires the UDS to ensure that any diving conducted using specialized equipment or procedures (e.g., drysuits, full face masks, tethered or line-tended SCUBA) is practiced on an annual basis to maintain diver proficiency. Failure to meet these minimum standards requires work-up dives to be conducted prior to making operational dives.
2-8	2.8.1B	Divemasters and Lead Divers	New. Authorizes the Divemaster and Lead Diver to dive as long as there is a qualified topside person, designated by the Divemaster or Lead Diver, to render assistance in an emergency.
2-9	2.8.3A	Divemaster Qualifications	Revised. Removes minimum years of experience required.
2-10	2.9.3A	Ship Diving Officer	New. Authorizes the delegation of a vessel crew member to serve as Ship Diving Officer.
2-10	2.10	Scientific Divers	Revised. Clarifies duties, responsibilities and qualification of Scientific Divers.
2-11	2.11	Temporary Scientific Divers	New. Establishes a new, time-limited classification of NOAA divers.
2-13	2.12.5	Manning Requirements	Revised. Specifies the manning requirements for conducting Observer Dives.
2-13	2.12.6	Equipment	New. Requires Observer Divers to wear personally supplied diving equipment equivalent to that of NOAA divers, unless otherwise authorized by the LODO/SODO. Also requires NOAA escort divers to carry Reserve Air Supply System (RASS).
2-15	2.13.5A, C	Equipment	New. Requires Reciprocity Divers to wear personally supplied diving equipment equivalent to that of NOAA divers as determined by the on-site DM or LD. Also requires NOAA to provide a diver carried reserve breathing gas supply when not provided by the Reciprocity Diver, and with verification of the appropriate training,
2-16	2.14.4D	Minimum Requirements	Revised. Authorizes UDSs to designate an individual to verify successful completion of written examinations for Volunteer Divers.

Page	Section	Topic	Description
2-18	2.14.7D	Responsibilities	Revised. Requires the LODO/SODO to forward recommendation to NDPM within 10 days of receipt of UDS recommendation.
2-18	2.15	Special Task Endorsement Divers	New. Establishes a new classification of NOAA divers based on completion of specialized training.
2-19	2.17.1C	NOAA Diving Medical Review Board	New. Specifies that the NDP DMO shall serve as the Chair, NDMRB.
2-20	2.17.3A 2)	NOAA Diving Medical Review Board	New. Requires the Chair of the Board to be a certified scuba diver.
2-20	2.18	NOAA Diving Technical Advisory Committee	New. Establishes an advisory panel to provide input to the NDP on various diving-related matters beyond the expertise of the NDCSB.

Section 3: Certification

Page	Section	Topic	Description
3-1	3.1.3	Voluntary Drug Testing	New. Requires all NOAA candidates for dive certification that are not already in a Drug Testing Designated Position, to undergo drug testing. Also specifies that all NOAA divers will be subject to random drug testing.
3-2	3.1.5	Training	New. Specifies new requirements for obtaining NOAA Scientific Diver certification.
3-3	3.3.1	Initial Limitations	New. Limits all newly certified NOAA divers to a depth of 60 feet until approved to go deeper by the UDS.
3-3	3.3.2A	Certification to Dive Deeper than 130 fsw	New. Requires completion of a NDCSB-approved deep diving course in order to conduct dives deeper than 130 fsw.
3-4	3.4.2A	Dive Proficiency Requirements	Revised. Requires NOAA divers to log a minimum of three (3) dives during each quarter of the calendar year in order to maintain dive certification.
3-4	3.4.5	Annual Watermanship Assessment	New. Provides requirements for annual timed swim test using mask, fins and snorkel in order to maintain dive certification.
3-5	3.4.6	Physical Conditioning Training	New. Authorizes immediate supervisors to grant NOAA divers up to 3 hours work time per week to help maintain a conditioning level sufficient to pass the annual watermanship assessment.
3-5	3.4.8	Annual Training Requirement	Revised. Specifies new annual training requirements to maintain diving certification.
3-6	3.5.2	Requirements	Revised. Specifies new recertification requirements based on new proficiency requirements.

Page	Section	Topic	Description
3-7	3.6.4	Suspension or Revocation Appeal Process	Revised. Requires suspended divers to appeal the decision to the NDCSB within 30 days of receipt of notification and terminated divers to appeal the decision to the OMAO Director within 30 days of receipt of notification.

Section 4: Diving Standards and Policies

Page	Section	Topic	Description
4-1	4.1.3B	Tasks Authorized	New. Requires specialized training for certain tasks, equipment, techniques, and environments listed in the Manual.
4-2	4.1.4B	Hours of Operation	New. Recommends that the normal work schedule for personnel engaged in diving activities not exceed 12 hours during any 24 hour period; and requires a minimum rest period of 8 continuous hours for all divers during each 24 hour period.
4-2	4.1.4C	Consecutive Days of Diving	New. Establishes limits on number of consecutive days of diving for NOAA divers.
4-2	4.1.5	Participation in Non-NOAA Scientific Diving Operations	<p>Revised. Authorizes NOAA divers to participate in an official capacity in non-NOAA scientific diving operations with agencies with which NOAA has established diving reciprocity agreements pending approval from their UDS, receipt of a letter of reciprocity from the NDC, and LO program authorization.</p> <p>Revised. Authorizes NOAA divers to participate in an official capacity in non-NOAA scientific diving operations with agencies without established diving reciprocity agreements provided the divers comply with the NOAA diving regulations, policies and procedures specified in the manual, the operation is approved by the NDCSB and a Memorandum of Understanding has been established with the receiving organization.</p>
4-2	4.1.6B	Diver Responsibility	New. Specifies that while the employer has ultimate responsibility for safety in the workplace, divers are responsible for their own safety and share responsibility for the safety of their buddy.

Page	Section	Topic	Description
4-3	4.1.7B,D	Unit Inspections	<p>New. Requires NOAA diving units to be inspected by the NOAA Diving Safety Officer, or his designee, as part of the Diving Unit Safety Assessment (DUSA) program.</p> <p>New. Units found to be deficient may be suspended from diving by the NDSO, NDPM, or LODO/SODO until discrepancies are corrected.</p>
4-3	4.2.2E	Dive Planning and Approval	Revised. Changes the amount of time that the UDS must keep copies of Dive Plans after conclusion of dive operations from 48 hours to 24 hours.
4-4	4.2.3	Dive Emergency Assistance Plan	New. Changes term “Dive Accident Management Plan” to “Diving Emergency Assistance Plan,” and lists minimum contact information required at the dive site.
4-5	4.2.5B2	Pre-Dive Checklist	Revised. Changes time the checklist must remain at the dive site following the dive operations from 48 to 24 hours.
4-5	4.2.6B,C	Fitness to Dive	<p>New. Advises divers to refrain from alcohol consumption for a minimum of 12 hours prior to diving and 4 hours after diving.</p> <p>New. Prohibits divers exhibiting any effects of alcohol or substance abuse from diving on official duties, or off-duty using SEP gear; and will have their diving certification temporarily suspended or permanently revoked from diving pending review by the NDCSB.</p>
4-6	4.2.9A	Warning Signal	New. Requires a red and white “diver down” sport diving flag, appropriately sized for the vessel used, to be displayed at the dive location in a manner which allows all-round visibility, and shall be illuminated during night diving operations when diving in areas capable of supporting marine traffic.
4-6	4.2.10	Hyperbaric Chamber Requirement	New. States that access to a hyperbaric chamber within 6 hours of the dive location may be required for dives deemed “intensive.”
4-6	4.2.11	Diver Recall Capability	New. Requires that topside personnel be capable of recalling divers during all diving operations.
4-6	4.3.1A,B	Water Entry and Exit	New. Requires that a means shall be provided to assist all divers entering and exiting (including an unconscious diver) the water. The means provided for exiting the water shall extend below the water’s surface.
4-7	4.3.3	Supervisor Dive Log	New. Requires a copy of the dive log to be kept at the dive location.

Page	Section	Topic	Description
4-7	4.3.4	Decompression Tables and Procedures	New. Requires that a set of NOAA-approved decompression tables (as appropriate for the breathing gases used) be at the dive location.
4-11	4.4.2B	Post-Dive Debriefing and Checklist	Revised. Changes time the checklist must remain at the dive site following the dive operations from 48 to 24 hours.
4-11	4.5.1B,C,D	Scuba Diving Mode: General	<p>New. Requires all SCUBA operations conducted using tethered or line-tended divers (including standby divers) to be conducted from a moored or fixed platform (i.e., no liveboating).</p> <p>New. Requires a team of divers or a line-tended diver be stationed at the underwater point of entry when diving is conducted in enclosed or physically confining spaces.</p> <p>New. Requires divers trained in specialized equipment and techniques to maintain proficiency in the gear.</p>
4-11	4.5.2	Manning Requirements	Revised. Specifies minimum personnel required to conduct a scientific dive using open-circuit scuba.
4-12	4.5.3	Limits	New. Requires access to a hyperbaric chamber within 2 hours of the dive location for all dives conducted deeper than 130 feet or outside the no-decompression limits.
4-12	4.5.4	Breathing Gas Supplies	New. Limits the use of breathing gas supplies for purposes other than life-support.
4-12	4.6	Drysuit Diving	New. Specifies the general, training, equipment, and emergency requirements for drysuit diving.
4-13	4.7	Line-Tended Scuba Diving	New. Specifies the general, manning requirements, limits, equipment, training, and tender responsibilities required for line-tended scuba diving.
4-14	4.8	Tethered SCUBA with Voice Communications	New. Specifies the general, manning requirements, limits, equipment, training, tender responsibilities, emergency procedures, and proficiency requirements for line-tended scuba diving.
4-15	4.9	Diving in Low Visibility	New. Specifies the general, requirements, equipment, and responsibilities required for diving in low visibility water conditions.
4-16	4.10	Blue-Water Diving	New. Specifies the general, equipment, training, and general and emergency requirements and procedures for conducting blue-water diving.
4-17	4.11	Overhead Obstruction Diving	New. Specifies the general, equipment, training, proficiency, and diving procedures for conducting overhead obstruction diving.

Page	Section	Topic	Description
4-17	4.12	Cold-Water Diving	New. Includes general, qualifications, and equipment requirements for cold-water diving.
4-18	4.13	Snorkeling/Breath-Hold Diving	New. Specifies the general, qualifications, limits, and requirements for snorkeling/breath-hold diving.
4-19	4.14	Diving Near Unexploded Ordinance	New. Specifies the general, safety buffer zones, and reporting requirements for conducting scientific dives near unexploded ordinance.
4-19	4.15	Contaminated Water Diving	New. Prohibits diving in contaminated water.
4-19	4.16	Surface-Supplied Air Diving Mode	New. Specifies the general, limits, minimum personnel, and general procedures for surface-supplied diving mode using air.
4-19	4.17	Hyperbaric Chamber Operations	New. Specifies the general, manning levels, personnel responsibilities and qualifications, and operating requirements for NOAA hyperbaric chambers.

Section 5: Equipment

Page	Section	Topic	Description
5-1	5.1.1E,H	Operations and Maintenance	<p>New. Requires diving conducted using specialized equipment or procedures (e.g., drysuits, full face masks, tethered or line-tended SCUBA) be practiced on an annual basis to maintain proficiency. Failure to meet these minimum standards requires work-up dives to be conducted prior to making duty dives.</p> <p>New. Requires NOAA divers to conduct an annual inventory of SEP issued diving equipment and submit results to the UDS.</p>
5-1	5.2.1A	Emergency Oxygen Kits	Revised. Requires a bag-type manual resuscitator with transparent mask be available at the dive site. This new requirement is in addition to a positive-pressure oxygen ventilator that must also be at the dive site.
5-2	5.2.2	First Aid Kits	<p>Revised. Requires a first aid kit, appropriate for the dive location and approved by the NDC DMO, be available at the dive location.</p> <p>New. Requires first aid kits to have the minimum equipment and supplies listed in the NOAA Small First Aid Kit (Appendix 9). If the vessel/dive site has space available, the NOAA Large First Aid Kit should be used.</p>
5-2	5.2.3	Air Compressor Systems	New. Specifies the requirements for using and maintaining air compressors, air system components, and compressed gas cylinders.

Page	Section	Topic	Description
5-3	5.2.5	Breathing Gas Supply Hose	New. Requires hoses to be made of corrosion-resistant materials; have a working pressure at least equal to the working pressure of the hose to which they are attached; and be resistant to accidental disengagement.
5-4	5.3.1B14	Minimum Equipment Requirements	Revised. Requires a sound-producing device to be worn for all official duty scuba dives.
5-4	5.3.2A	Regulators	New. Requires that the use of scuba regulators other than those issued via the SEP be listed on the USN's Authorized for Navy Use list and be approved by the LODO/SODO.
5-4	5.3.3C	Buoyancy Compensator Devices	New. Requires the inflation assembly to be serviced every 12 months from the date of issue.
5-4, 5-5	5.3.6B,C,I	Maintenance Requirements	Revised. Requires that diver worn depth gauges be tested every 6 months against a master reference gauge, with no deviation greater than +3.0/-0.0 fsw between any two equivalent gauges. New. Requires dive computers to be tested annually. New. Requires weight-harness systems to be tested prior to each diving day.
5-6	5.4.1	Servicing & Testing	New. Specifies the servicing, testing and record keeping for tethered scuba diving equipment.
5-7	5.5	Surface Supplied Diving Equipment	New. Refers readers to section 7.5 NWDSSM
5-7	5.6	Hyperbaric Chamber Equipment & Systems	New. Refers readers to section 7.2.6 NWDSSM

Section 6: Medical Standards

Page	Section	Topic	Description
6-2	6.2.5D1	Recordkeeping: Availability of Records	New. Specifies when medical records can be released to the NDC DMO.
6-3	6.3.1B	Requirements for Reporting Changes in Medical Condition	New. Specifies when changes in medical condition must be reported to the UDS and NDC DMO.

Section 7: Nitrox Diving

Page	Section	Topic	Description
7-1	7.3.1B	Nitrox authorization	Revised. Allows NDPM to delegate observation of nitrox skills prior to certification.
7-1	7.3.2A	Nitrox proficiency	Revised. Requirement for at least one nitrox dive per year changed to recommendation for at least one nitrox dive per year.

7-2	7.4.4	Written exam	Revised. Nitrox students must pass written exam prior to certification. Exam shall include calculation of appropriate nitrox mix rather than optimal mix.
7-3	7.6.3	Nitrox tables	Revised. Requires nitrox tables to be present at dive site when nitrox is used for dives.
7-3	7.6.4C	Nitrox computers	Revised. Requires divers to demonstrate nitrox computer proficiency to the UDS prior to use.
7-3	7.6.5	Repetitive diving	Revised. Repetitive dives may follow NOAA tables or computer manufacturer's instructions.
7-4	7.6.6	Oxygen parameters	Revised. Table of analytes has been modified. UDS now has authority to approve individuals to blend gases for nitrox preparation.
7-4	7.6.7	Gas analysis	Revised. Divers must be trained in gas analysis and approved by the UDS.
7-5	7.7.2	Oxygen cleaning & maintenance requirements	Revised. Equipment exposed to gas mixtures above 40% oxygen and 200 psi, must be cleaned and maintained for oxygen clean service.
7-5	7.7.3	Nitrox cylinder marking	Revised. Changes requirements for marking of nitrox cylinders and labeling of specific mix in each cylinder.

Section 8: Staged Decompression Scuba Diving

Page	Section	Topic	Description
8-1	8.2.1A	Qualifications	Revised. Training and certification must be provided by NOAA-approved agency
8-1	8.2.2	Proficiency	New. Proficiency schedules have been added for previous 6 months and 30 days.
8-1	8.3.1B	Equipment	Revised. List of required equipment has been expanded.
8-2	8.3.2D	Cylinders	New. Cylinder configurations and color coding have been added.
8-2	8.3.3C	Regulators	New. Oxygen regulators are required to be secured in a fashion to prevent inadvertent use.
8-2	8.3.4	BCDs	New. Describes BCD requirements.
8-2	8.3.5	Depth & pressure gauges	New. Describes gauge requirements.
8-2	8.3.6	Timing devices	New. Describes timing device requirements.
8-3	8.3.7	Signaling devices	New. Describes signaling device requirements.
8-3	8.3.8	Lift bags and reels	New. Describes lift bag and reel requirements. Revised. Allows Divemaster or Lead Diver to require redundant lift bags and reels.
8-3	8.3.9	Support boat	New. Describes support boat requirements.
8-3	8.3.10	Hyperbaric chamber	New. Describes recompression chamber requirements.
8-3	8.4.1C	Gas management: General	New. Specifies parameters that must be determined and recorded by each diver prior to dive.

8-4	8.5.1B	Standby and safety divers	Revised. Requires 2 standby divers OR 1 on-bottom safety diver. New. Specifies requirements for standby, safety and support divers. Specifies requirements for topside support.
8-5	8.6	Operational requirements	New. Describes dive planning, decompression calculation, maximum depth and bottom times, diving procedures, and contingency protocols.
8-6	8.7	Dive plan	New. Describes procedures required for submitting decompression dive plans to the NDCSB for approval.

Section 9: Mixed Gas Diving

Page	Section	Topic	Description
9-2	9.3.2	Gas standards	New. Specifies who must analyze gas used for mixed gas dives and how analysis is to be conducted.
9-2	9.4.2D	Oxygen parameters	New. Requires the use of NDCSB-approved algorithms for decompression calculation.

Section 10: Rebreathers

Page	Section	Topic	Description
10-1	10.2.1B3	Depth qualification	Revised. Requires 130 fsw depth certification for use of rebreathers.
10-2	10.2.2C2	Academic training	New. Adds required training for additional adverse situations.
10-2	10.2.3A	Practical training	Revised. Changes depths of rebreather training dives.
10-4	10.2.7	Extended range diving	Revised. Changes training requirements for air diluent dives in <130fsw. Changes depth requirements for training dives with mixed gas decompression dives.
10-4	10.2.8A	Proficiency	Revised. Changes proficiency rate for rebreathers to at least 1 dive per 8 weeks.
10-4	10.3.1	Equipment standards	Revised. Modifies QA/QC requirements for rebreathers to incorporate ISO 9000-9004 standards. Sets NDCSB as final authority of acceptable specifications for rebreathers.
10-5	10.4.1	Operational requirements: General	New. Prohibits modifications to life support components without manufacturer's approval.
10-6	10.4.3	Oxygen exposures	New. Adds maximum ppO ₂ levels for oxygen CCRs and mass flow SCRs. Revised. Changes total oxygen exposure limit maximum to that allowed under REPEX limit.

10-6	10.4.4B2)	Decompression management	New. Requires use of tables based upon exertion levels of 2.5 LPM oxygen consumption for mass flow controlled SCRs.
10-7	10.4.5A	Logs and Checklists	New. Requires a witness to confirm completion of pre-dive checklist, pre-dive test of oxygen sensors and gas addition valves, and several other components of the rebreather.
10-8	10.4.7C	CO ₂ absorbent	Revised. Changes requirements for storage of unused absorbent and time limits for storage of filled canisters.
10-8	10.4.9A	Disinfecting units	Revised. Requires periodic disinfection of certain rebreather components.
10-9	10.7.1A	Mixed Gas CCRs	Revised. Changes FO ₂ limit of gases to that which limits ppO ₂ to a maximum of 1.1 ATA.

Section 11: Emergency Procedures: No new information or changes

Section 12: Recordkeeping and Reporting Requirements

Page	Section	Topic	Description
12-4	12.2.2E	Reporting Procedures	Revised. New time limits for forwarding reports to next higher level echelon.

APPENDICIES

Page	Appendix	Topic	Description
App 3-1	3	NDP Dive Operations Plan	Updated form.
App 4-1 & 4-2	4	NDP Diving Emergency Assistance Plan	Updated form.
App 7-1 & 7-3	7	Wetsuit & Drysuit Configurations	New. Specifies minimum equipment and configuration requirements for performing scientific dives when no RASS is required.
App 9-1	9	NOAA Divers First Aid Kit Inventory: Small and Large	New. Specifies minimum first aid equipment and supplies required to be at the dive location.
App 10	10	NOAA Scientific Diver Skills Checklist	New. Specifies minimum required skills for NOAA Scientific Diver certification.
App 11	11	NOAA Scientific Diver Training Course Student Evaluation Record	New. Form to be used to document completion of NOAA Scientific Diver certification requirements.
App 12	12	NOAA Diving Accident Management Flowchart	New. Provide guidance on management of a diving-related injury.
App 13	13	NOAA Dive Incident Reporting Procedures and Timeline	New. Specifies diving incident reporting requirements.
App 14	14	SECO Incident Classifications	New. Describes criteria for SECO incident classification A, B, and C

App 15	15	NDP Annual Watermanship Assessment	New; Form for documenting completion of annual watermanship assessment
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